



# Stanford

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## Rathinaraja Jeyaraj

Postdoctoral Scholar, Pathology

 Curriculum Vitae available Online    Resume available Online

### Bio

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#### BIO

I work at the intersection of AI, multimodal learning, and large-scale image analytics, with a strong focus on computational pathology and foundation models for healthcare. My current research interests include LLMs, VLMs, multimodal reasoning, whole-slide image analysis, retrieval-augmented generation (RAG), and trustworthy AI for medical decision support.

I develop scalable deep learning systems spanning WSI preprocessing, multiple instance learning, segmentation, survival prediction, and multimodal image-text modeling. My work also involves attention interpretability, contrastive learning, pathology foundation model adaptation, and large-scale AI pipelines. Beyond healthcare AI, I have experience in time-series forecasting, distributed computing, cloud infrastructure, and real-time computer vision systems for industrial and smart-city applications.

I am particularly interested in building reliable, interpretable, and clinically meaningful AI systems that bridge computer vision, multimodal learning, and large-scale reasoning.

#### STANFORD ADVISORS

- Jeanne Shen, Postdoctoral Faculty Sponsor

#### LINKS

- Personal website: <https://rathinaraja.github.io/>

### Publications

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#### PUBLICATIONS

- **STARC-9: A Large-scale Dataset for Multi-Class Tissue Classification for CRC Histopathology.** *ArXiv*  
Subramanian, B., Jeyaraj, R., Peterson, M. N., Guo, T., Shah, N., Langlotz, C., Ng, A. Y., Shen, J.  
2025